

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	78	pcm with (fade fading)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 12:56
S2	29	(pcm (pulse adj code adj modulation)) same (fade fading) same (shift shifting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 12:55
S3	2532	(pcm (pulse adj code adj modulation)) same (shift shifting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 12:56
S4	169	(pcm (pulse adj code adj modulation)) same (shift shifting) same (mux multiplexer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 12:56
S5	90	("3102165"   "3596251"   "3772681"   "3810112"   "3932886"   "4024512"   "4174652"   "4187544"   "4356517"   "4409682"   "4449061"   "4499459"   "4660217"   "4811370"   "4813014"   "5325240"   "5489901"   "5745541"   "5771268"   "5862231").PN. OR ("4318188"   "4356517"   "5960092"   "6405092").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 13:32
S6	24	("4291405"   "4430742"   "4566076"   "4578667"   "4637036"   "4682332"   "4719833"   "4953437"   "5021893"   "5570091"   "5592403"   "5764775"   "6088461"   "6405092"   "RE33739").PN. OR ("4811370"   "5325240"   "6678382").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 13:47
S7	6	("4181970").PN. OR ("4566076").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 13:54
S8	6	("4031377"   "4181970"   "4482916"   "4566076"   "4731851"   "5402369").PN. OR ("6675186").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 13:56
S9	9	((YU-MIN) near2 (CHANG)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 13:59
S10	1	((YU-MIN) near2 (CHANG)).INV.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 13:59
S11	1793	ali.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 14:08

## EAST Search History

S12	3	ali.as. and audio.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 14:07
S13	0	ali.as. and pcm.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 14:07
S14	0	ali.as. and audio and pcm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 14:07
S15	1	ali.as. and pcm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 14:07
S16	21	"4731851"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:25
S17	24	("3959639"   "4004140"   "4270177"   "4287805"   "4390834"   "4447826").PN. OR ("4731851").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 15:35
S18	1	"6377193"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 15:35
S19	4	("4614935"   "5212481"   "5524089"   "5652584").PN. OR ("6377193").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:01
S20	14	"4858163"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:09
S21	28	"4718057"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:21
S22	5	"4796225"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:22
S23	7	"5606565"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:50
S24	0	((fade adj in) (fading adj in)) with right with shift	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:52
S25	20	boost with right with shift	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:53

## EAST Search History

S26	240	volume with right with shift	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:53
S27	20	pcm and volume with right with shift	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:57
S28	1	pcm and (fade fading) with right with shift	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 16:57
S29	60	pcm and (fade fading) with zeros	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 17:02
S31	574	381/104.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 19:04
S32	15	"4004140"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 17:35
S33	34	pcm same logarithm\$ same zero	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 18:35
S34	161	381/104.ccls.	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:18
S35	413	381/106.ccls. not (381/104.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:19
S36	32	381/106.ccls. and (pcm (pulse adj code adj modulation)) not (381/104.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:23
S37	122	381/106.ccls. and (shift shifting) not (381/104.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:39
S38	22	377/71.ccls. not (381/104.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:47
S40	189	377/69.ccls. not (377/71.ccls. 381/104.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:53

## EAST Search History

S41	1120	(mux multiplexer piso miso) with (consecutive consecutively)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:54
S42	117	(mux multiplexer piso miso) near2 (consecutive consecutively)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:55
S43	383	(mux multiplexer) with (piso (parallel adj input adj serial output) miso (multiple adj input adj single adj output)) with (consecutive consecutively)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:56
S44	0	(mux multiplexer) with (piso (parallel adj input adj serial adj output) miso (multiple adj input adj single adj output)) with (consecutive consecutively)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:57
S45	2	(mux multiplexer) same (piso (parallel adj input adj serial adj output) miso (multiple adj input adj single adj output)) same (consecutive consecutively)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 19:57
S46	16	("3588460"   "3688097"   "3691359"   "3752970"   "3825924"). PN. OR ("4004140").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 20:03
S47	2	("5615256"   "5842139").PN. OR ("6760453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/18 20:09
S48	2	"20060036341"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 13:09
S49	10	("20020126858" "5825899" "6047073" "6535611" "7088835"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:24
S50	6	"5420584"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:28

## EAST Search History

S51	11	(barrel with shift\$4) same ((pulse adj code) pcm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:31
S52	4	pcm with shift with attenuation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:54
S53	9	pcm with shift with attenuate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:55
S54	15	pcm with shift with increase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/19 14:56
S55	36	("3502806"   "3945002"   "4464783").PN. OR ("4550425").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 15:46
S56	4	"5325240"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 16:16
S57	4	(digital adj compandor).ti.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 16:16
S58	31	("3906487"   "4023019"   "4276604").PN. OR ("4355304").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/19 16:26